

DYOU17.001CP1



76  
PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants	:	Hope, et al.	)	Group Art Unit 1645
App. No.	:	09/973,322	)	
Filed	:	October 9, 2001	)	
For	:	VIRAL THERAPEUTICS	)	
Examiner	:	Unknown	)	

---

**INFORMATION DISCLOSURE STATEMENT**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

Enclosed is form PTO-1449 listing twenty-two (22) references that are also enclosed. This Information Disclosure Statement is being filed before the receipt of a first Office Action on the merits, and presumably no fee is required in accordance with 37 C.F.R. § 1.97(b)(3). If a first Office Action on the merits was mailed before the mailing date of this Statement, the Commissioner is authorized to charge the fee set forth in 37 C.F.R. § 1.17(p) to Deposit Account No. 11-1410.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: 1/15/02

By: Mark R. Benedict

Mark R. Benedict  
Registration No. 44,531  
Attorney of Record  
620 Newport Center Drive  
Sixteenth Floor  
Newport Beach, CA 92660  
(949) 760-0404

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. DYOU17.001CP1	APPLICATION NO. 09/973,322
INFORMATION DISCLOSURE STATEMENT JC59 BY APPLICANT <i>OCT 31 2002</i> (USE SEVERAL SHEETS IF NECESSARY)		APPLICANT Hope, et al.	
		FILING DATE October 9, 2001	GROUP 1645

*PATENT & TRADEMARK OFFICE*

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)

FOREIGN PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
						YES NO

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
1.	Barba, G., et al. (1997) Hepatitis C virus core protein shows a cytoplasmic localization and associates to cellular lipid storage droplets. Proc. Natl. Acad. Sci. 94:1200-1205
2.	Baumert, T. F., et al. (1998) Hepatitis C Virus Structural Proteins Assemble into Viruslike Particles in Insect Cells. J. Virol. 72(5):3827-3836
3.	Beames, B., et al. (2000) Development of a Primary Tamarin Hepatocyte Culture System for GB Virus-B: a Surrogate Model for Hepatitis C Virus. J. Virol. 74(24):11764-11772
4.	Bukh, J., et al. (1999) Toward a Surrogate Model for Hepatitis C Virus: An Infectious Molecular Clone of the GB Virus-B Hepatitis Agent. Virology 262:470-478
5.	Grakoui, A., et al. (1993) Expression and Identification of Hepatitis C Virus Polyprotein Cleavage Products. J. Virol. 67(3):1385-1395
6.	Heid, H. W., et al. (1998) Adipophilin is a specific marker of lipid accumulation in diverse cell types and diseases. Cell Tissue Res. 294:309-321
7.	Hijikata, M., et al. (1991) Gene mapping of the putative structural region of the hepatitis C virus genome by <i>in vitro</i> processing analysis. Proc. Natl. Acad. Sci. 88:5547-5551
8.	Hope, R. G., and McLauchlan, J. (2000) Sequence motifs required for lipid droplet association and protein stability are unique to the hepatitis C virus core protein. J. Gen. Virol. 81:1913-1925
9.	Hussy, P., et al. (1996) Hepatitis C Virus Core Protein: Carboxy-Terminal Boundaries of Two Processed Species Suggest Cleavage by a Signal Peptide Peptidase. Virology 224:93-104
10.	Lanford, R. E., et al. (2001) Ribavirin Induces Error-Prone Replication of GB Virus B in Primary Tamarin Hepatocytes. J. Virol. 75(17):8074-8081
11.	Lo, S.-Y., et al. (1995) Differential Subcellular Localization of Hepatitis C Virus Core Gene Products. Virology 213:455-461
12.	Mandl, C.W., et al. (1988) Sequence of the Structural Proteins of Tick-Borne Encephalitis Virus (Western Subtype) and Comparative Analysis with Other Flaviviruses. Virology 166:197-205
13.	McLauchlan, J. (2000) Properties of the hepatitis C virus core protein: a structural protein that modulates cellular processes. J. Viral Hepatitis 7:2-14
14.	McLauchlan, J., et al. (1994) The herpes simplex virus type 1 UL37 gene product is a component of virus particles. J. Gen. Virol. 75:2047-2052
15.	Moradpour, D., et al. (1996) Characterization of Cell Lines Allowing Tightly Regulated Expression of Hepatitis C Virus Core Protein. Virology 222: 51-63
16.	Moriya, K., et al. (1997) Hepatitis C virus core protein induces hepatic steatosis in transgenic mice. J. Gen. Virol. 78:1527-1531
17.	Moriya, K., et al. (1998) The core protein of hepatitis C virus induces hepatocellular carcinoma in transgenic mice. Nature Medicine 4(9):1065-1067
18.	Muerhoff, A. S., et al. (1995) Genomic Organization of GB Viruses A and B: Two New Members of the Flaviviridae Associated with GB Agent Hepatitis. J. Virol. 69(9):5621-5630

EXAMINER	DATE CONSIDERED
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. DYOU17.001CH1	APPLICATION NO. 09/973,322
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		O E JC59 JAN 31 2002 PATENT & TRADEMARK OFFICE	
(USE SEVERAL SHEETS IF NECESSARY)		APPLICANT Hope, et al.	
FILING DATE October 9, 2001	GROUP 1645		

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)
19.	Patel, J., et al. (1999) Covalent interactions are not required to permit or stabilize the non-covalent association of hepatitis C virus glycoproteins E1 and E2. <i>J. Gen. Virol.</i> 80:1681-1690
20.	Rice, C. M. (1996) Flaviviridae: The Viruses and their Replication. <i>Fields Virology</i> , 3rd ed. 1:931-960 (Lippincott-Raven Publishers, Philadelphia, PA)
21.	Sabile, A., et al. (1999) Hepatitis C Virus Core Protein Binds to Apolipoprotein AII and Its Secretion Is Modulated by Fibrates. <i>Hepatology</i> 30:1064-1076
22.	Santolini, E., et al. (1994) Biosynthesis and Biochemical Properties of the Hepatitis C Virus Core Protein. <i>J. Virol.</i> 68(6):3631-3641

O:\DOCS\MCM\1757.DOC:vb  
010902

EXAMINER	DATE CONSIDERED
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	